

Error Handling and Validation:

In my project includes some validation for data input, such as checking for valid email formats and ensuring that certain fields are not empty. However, the error messages are displayed using MessageBox. The MessageBox . Show method is used to display error messages to the user. Exception handling is used to catch and handle unexpected errors that might occur during database operations or user. The messages provide information about the nature of the error to assist in troubleshooting.

DAO class:

- The DAO class likely contains additional methods for database connection management, error handling, etc. Understanding its implementation would provide a more comprehensive view.
  - Using stored procedures in DAO class would involve creating stored procedures in your database and modifying the SQL statements in your methods to call these stored procedures instead of inline SQL.
1. Inheritance (: DAO): The AddPerson class inherits from DAO. This suggests that AddPerson extends or specializes the functionality provided by the DAO class.
2. Fields:
- SqlDataAdapter da: This is an instance of SqlDataAdapter used for populating a DataTable.
  - DataTable dt: An instance of DataTable used to store data retrieved from the database.
3. Methods:
- ShowStu, ShowLec, ... (and other similar methods): These methods retrieve data from the corresponding database tables (Student, Lecturer, etc.) and return a DataTable containing the data.
  - AddStudent, AddLecturer, ... (and other similar methods): These methods add new records to the corresponding tables in the database using parameterized SQL statements.
  - UpdateStudent, UpdateLec, ... (and other similar methods): These methods update existing records in the database based on the provided parameters.
  - DeleteStudent, DeleteLec, ... (and other similar methods): These methods delete records from the corresponding tables based on the provided identifiers.
4. Data Access:
- The DAO class (which AddPerson inherits from) is expected to provide methods for opening a database connection (OpenCon() is used), but the implementation of this method is not provided in your code snippet.

